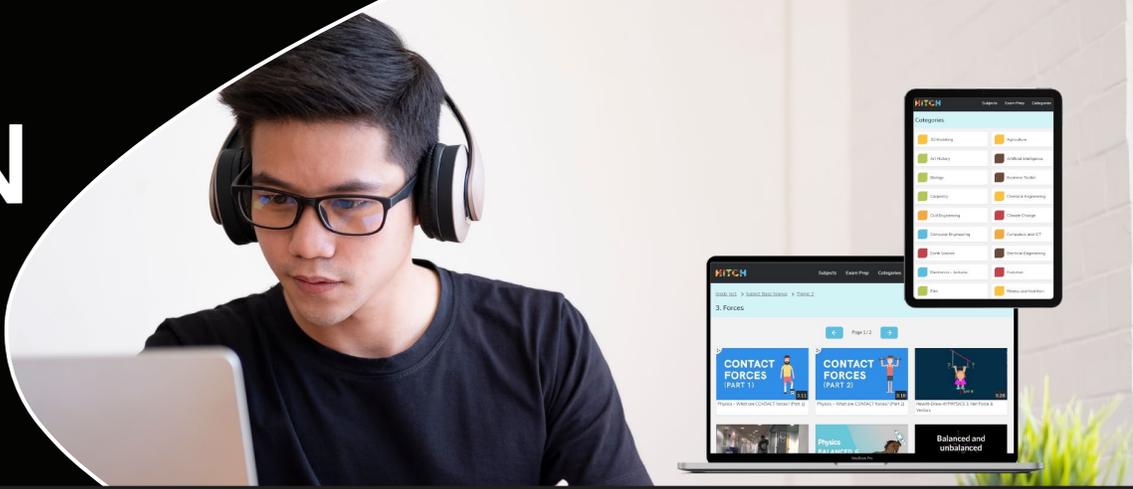


HITCH INNOVATION HIGHLIGHT



COMPANY OVERVIEW

HITCH is an educational video & eTextbook platform for underserved teachers and students. HITCH enables access to comprehensive learning opportunities to help students find educational and economic success. By matching educational video and other engaging content with school curricula and textbook content, HITCH provides access to the right pathways to learning for each student's needs. With HITCH, there are more options for how teachers and students can engage with a curriculum's subject matter, build interest, and improve educational outcomes.

LOCATION: WATERLOO, ON

TECHNOLOGY



Data Centre and Cloud

*Temi Oluwadare, Marketing Communications

temi@hitch.video

hitch.video/

Rick Penwarden, Sr. Manager, Marketing

rick.penwarden@cengn.ca

cengn.ca/projects/

BRIDGING THE EDUCATION GAP

Some communities of the world, especially more rural communities, lack the resources to provide an excellent education to young people. Some places even lack reliable infrastructure for electricity and connectivity, which are increasingly vital for optimal life outcomes. Furthermore, students have individual interests, experiences, and learning styles that make each of them unique in their ability to fully engage with educational content and retain knowledge. HITCH's platform helps overcome educational disparities caused by limited resources.

MATCHING EDUCATIONAL CONTENT TO CURRICULUM

HITCH provides underserved teachers and students with access to great educational content. By matching the right content to topics in a curriculum or sections in a textbook, HITCH delivers more engaging pathways to learning. HITCH's video library offers an expansive choice of topic demonstrations, explanations, full lessons, and more. By curating digital content, both manually and using machine learning, HITCH sources relevant learning materials for different situations. HITCH also operates a digital content delivery system that pre-loads educational content to a device for later use without internet connectivity.

DETERMINING CLOUD COMPUTING NEEDS

HITCH's project stress-tested and validated scaled capacity for various isolated and end-to-end components of the HITCH platform, especially its application programming interface suite, and the HITCH-enhanced eBook solution for textbook publishers. Using the CENGN Testbed, HITCH established the relationship between cloud resources and expected traffic to determine the resources required to achieve their high-performance goal. They determined the platform's throughput, response latency, performance impact over time, and error rate, as well as HITCH's performance metrics and restrictions.

"The support provided by CENGN throughout the project has been integral to the completion of the test matrix."

Billy Parmenter
Software Engineer/Testing Associate, HITCH

